

# Video-assisted Thoracoscopic Surgery of Spontaneous Pneumothorax in Young Patients

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**Abstract :** We reviewed the cases of 110 patients who were all younger than fifty years of age with spontaneous pneumothorax who underwent video-assisted thoracoscopic surgery. The rate of recurrence was 13.6% and there was no significant difference among the surgical procedures. The hospitalized duration correlated with the operation time and the postoperative thoracic drainage duration. Lung collapse just after operation increased with a significant difference according to the prolongation of the postoperative thoracic drainage duration. It is therefore important to perform all operative procedures as quickly and accurately as possible. In addition, rapid lung inflation should also be used after surgery to shorten the length of hospitalization.

**Key words :** Spontaneous pneumothorax, Shortening hospitalization